



PATENT
Docket No. 249212013000
Client Ref. No.: Q00-1100-US1

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV544980089US, in an envelope addressed to: MS RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: April 6, 2005

Signature: _____

(Georgina Matos)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Tzuo-Chang LEE and James TYLOCK

Serial No.: 09/588,891

Filing Date: June 7, 2000

For: TRIPLE PUSH-PULL OPTICAL
TRACKING SYSTEM

Examiner: K. Wong

Group Art Unit: 2651

REQUEST FOR A CORRECTED FILING RECEIPT

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Please furnish the undersigned with a corrected Filing Receipt for the above-identified application. The corrections needed are as follows:

1. In the Applicant(s) field, please replace "TSUO-CHANG LEE" with --TZUO-CHANG LEE--.

Support for this correction can be found in the attached copy of the executed Patent Assignment recorded in this case on November 6, 2000, Reel/Frame 011328/0489.

2. Please also change the name and address for the attorney of record and correspondence address to reflect Morrison & Foerster LLP per the Revocation of Power of Attorney and New Power of Attorney, and Statement Under 37 CFR 3.73(b) as previously filed on May 6, 2004 (copy of which is attached for your convenience).

A copy of the marked-up Filing Receipt reflecting both changes is attached.

In the unlikely event that the transmittal letter is separated from this request and the Patent Office determines that a fee is required, applicants petition for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** (Docket No. 249212013000). However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

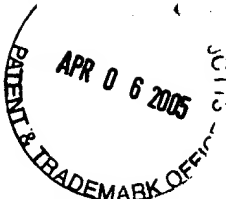
Dated: April 6, 2005

By:



Christopher B. Eide
Registration No. 48,375

Morrison & Foerster LLP
755 Page Mill Road
Palo Alto, California 94304-1018
Telephone: (650) 813-5720
Facsimile: (650) 494-0792



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/588,891	06/07/2000	2753	1000	06837-099001	12	30	3

Kenneth F. Kozik
Fish & Richardson PC
225 Franklin Street
Boston, MA 02110-2804

MORRISON + FOERSTER LLP
755 PAGE MILL ROAD
PALO ALTO, CA 94304

FILING RECEIPT



OC000000005623908

Date Mailed: 12/15/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) Tzuu

Tzuu-Chang Lee, Shrewsbury, MA ;
James Tylock, Shrewsbury, MA ;

Continuing Data as Claimed by Applicant

Foreign Applications

If Required, Foreign Filing License Granted 07/31/2000

Title

Triple push-pull optical tracking system

Preliminary Class

369

RECEIVED

DEC 20 2000

FISH & RICHARDSON, P.C.
BOSTON OFFICE

Data entry by : KINARD, VALERIE

Team : OIPE

Date: 12/15/2000



No Docketing Required

Reviewed by Practice Systems

Initials KYM On 12/20/00

COPY

PATENT ASSIGNMENT

WHEREAS We, TZUO-CHANG LEE, a citizen of the United States of America, residing at 8 Ryan Road, Shrewsbury, MA 01545, and JAMES TYLOCK, a citizen of the United States of America, residing at 2 Holly Lane, Shrewsbury MA 01545, have invented improvements for a certain new and useful "TRIPLE PUSH-PULL OPTICAL TRACKING SYSTEM", for which we are filing an application for Letters Patent to the United States Patent and Trademark Office, said application having been executed by me on _____; and

WHEREAS, QUANTUM CORPORATION, a corporation existing under the laws of the State of Delaware and doing business at 500 McCarthy Blvd., Milpitas, California 95035, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said patent application,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, We, TZUO-CHANG LEE and JAMES TYLOCK have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer and set over unto the said QUANTUM CORPORATION, its successors, legal representatives and assign my entire right, title and interest in, to and under the said invention and the said application for Letters Patent executed on even date herewith, a copy of which as filed in the United States Patent and Trademark Office is contained in a file marked "Docket No. Q00-1100-US1" in the Corporate Legal Department of the said Quantum Corporation, any provisional applications upon which said application for Letters Patent is based upon, and all divisions, continuations and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon and all applications for Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and to all extensions, renewals and reissues thereof, and to all reexamination certificates issued thereon, and the right to claim priority under the International Convention for the Protection of Industrial Property; and, we hereby authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said QUANTUM CORPORATION, its successors, legal representatives and assigns, in accordance with this instrument.

AND we hereby covenant that each of us has the full right to convey his entire interest herein assigned, and that each of us has not executed, and will not execute, any agreement in conflict herewith.

AND hereby further covenant and agree that each of us will communicate to the said QUANTUM CORPORATION, its successors, legal representatives and assigns, any facts known to him respecting said invention and said applications, and testify in any legal proceedings, execute all lawful papers, make all rightful oaths and generally do everything possible to aid the said QUANTUM CORPORATION, its successors, legal representatives and assigns to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, the undersigned have hereunto set our hands and seals on the date set out adjacent to our name herein below.



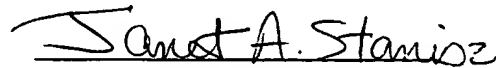
TZUO-CHANG LEE

Date:

State of

County of

On 10/25/00 before me, TZUO-CHANG LEE, the undersigned Notary Public, personally appeared TZUO-CHANG LEE being personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. Witness my hand and seal.



Notary Public

JANET A. STANISZ
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES 5/19/06



COPY

PTO/SB/82 (09-03)
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REVOCAION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Application Number	09/588,891
	Filing Date	June 7, 2000
	First Named Inventor	Tzuo-Chang LEE
	Art Unit	2651
	Examiner Name	K. Wong
	Attorney Docket Number	249212013000

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

☐ Please change the correspondence address for the above-identified application to:

☐ The address associated with
Customer Number:

OR

☐ Firm or
Individual Name

Address

City

Country

State

Zip

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name Shawn D. Hall, Vice President, General Counsel and Secretary

Signature

Date

Telephone

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 forms are submitted.



COPY

PTO/SB/96 (08-03)
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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Tzuo-Chang LEE et al.

Application No./Patent No.: 09/588,891

Filed/Issue Date: June 7, 2000

Entitled: TRIPLE PUSH-PULL OPTICAL TRACKING SYSTEM

Quantum Corporation
(Name of Assignee)

, a corporation
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- ☒ the assignee of the entire right, title, and interest; or
- ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011328, Frame 0489, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

- From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 6th, 2004
Date

(650) 813-5720
Telephone Number

Christopher B. Eide
Typed or printed name

[Signature]
Signature

Attorney of Record
Title